

Please use a plus sign (+) inside this box +

8-14-01  
PTO/SB/05 (4/98)  
Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under  
37 C.F.R. § 1.53(b))

Attorney Docket No.

706015US1

First Inventor or  
Application Identifier

Tina Barclay

Title Circuit Board Assembly With Ceramic Capped Components And Heat  
Transfer Vias

Express Mail Label No.

EL536119031US

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent  
application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ \*Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2. ☒ Specification [Total Pages 15]  
(preferred arrangement set forth below)  
-Descriptive title of the Invention  
-Cross References to Related Applications  
-Statement Regarding Fed Sponsored R&D  
-Reference to Microfiche Appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description  
-Claims(s)  
-Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]

4. ☒ Oath or Declaration [Total Pages 2]  
☒ Newly executed (original or copy)  
☐ Copy from a prior application (37 C.F.R. § 1.63 (d))  
(for continuation/divisional with Box 16 completed)

i. DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 C.F.R.  
§ 1.63(d)(2) and 1.33 (b).

5. ☐ Microfiche Computer Program (Appendix)

6. Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)

a. ☐ Computer Readable Copy

b. ☐ Paper Copy (identical to computer copy)

c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☐ Assignment Papers (cover sheet & document(s))

8. ☐ 37 C.F.R. § 3.37(b) Statement ☐ Power of  
(when there is an assignee) Attorney

9. ☐ English Translation Document (if applicable)

10. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1449 Citations

11. ☐ Preliminary Amendment

12. ☒ Return Receipt Postcard MPEP 503)

13. ☐ Statement (s) ☐ Statement filed in prior  
(PTO/SB/09-12) application, Status still proper  
and desired

14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

15. ☐ Other:

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY  
SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS  
REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR  
APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

16. If a **CONTINUING APPLICATION**, Check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_

**FOR CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The  
incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label **24938** or ☒ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

|         |  |           |                |          |                |
|---------|--|-----------|----------------|----------|----------------|
| Name    | Edwin W. Bacon, Jr.                              |           |                |          |                |
|         | DaimlerChrysler Intellectual Capital Corporation |           |                |          |                |
| Address | CIMS 483-02-19                                   |           |                |          |                |
|         | 800 Chrysler Drive                               |           |                |          |                |
| City    | Auburn Hills                                     | State     | Michigan       | Zip Code | 48326-2757     |
| Country | United States                                    | Telephone | (248) 944-6526 | Fax      | (248) 944-6537 |



**24938**

PATENT TRADEMARK OFFICE

|                      |                     |                  |         |
|----------------------|---------------------|------------------|---------|
| Name (Print or Type) | Edwin W. Bacon, Jr. | Registration No. | 39,098  |
| Signature            |                     | Date             | 8/10/01 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any  
comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office,  
Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box  
Patent Application, Washington, D.C. 20231.

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**FEE TRANSMITTAL**  
**For FY 2001**Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.**TOTAL AMOUNT OF PAYMENT** (\$) **710****Complete if Known**

|                      |              |
|----------------------|--------------|
| Application Number   |              |
| Filing Date          |              |
| First Named Inventor | Tina Barclay |
| Examiner Name        |              |
| Group / Art Unit     |              |
| Attorney Docket No.  | 706015US1    |

**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 03-1800Deposit Account Name DaimlerChrysler Intellectual Capital Corporation

- ☒
- Charge Any Additional Fee Required Under
- 
- 37 CFR 1.16 and 1.17

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid   |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------|
| 101                   | 710                   | 201                   | 355                   | Utility filing fee     | 710        |
| 106                   | 320                   | 206                   | 160                   | Design filing fee      |            |
| 107                   | 490                   | 207                   | 245                   | Plant filing fee       |            |
| 108                   | 710                   | 208                   | 355                   | Reissue filing fee     |            |
| 114                   | 150                   | 214                   | 75                    | Provisional filing fee |            |
| <b>SUBTOTAL (1)</b>   |                       |                       |                       |                        | <b>710</b> |

**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claim | Fee from below | Fee Paid |
|--------------------|-------------|----------------|----------|
| 19                 | -20** = 0   | 0              | 0        |
| Independent Claims | 3           | - 3** = 0      | 0        |
| Multiple Dependent |             | 270            | 0        |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code     | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  |
|---------------------------|-----------------------|-----------------------|-----------------------|--|
| 103                       | 18                    | 203                   | 9                     | Claims in excess of 20                                     |
| 102                       | 80                    | 202                   | 40                    | Independent claims in excess of 3                          |
| 104                       | 270                   | 204                   | 135                   | Multiple dependent claim, if not paid                      |
| 109                       | 80                    | 209                   | 40                    | ** Reissue independent claims over original patent         |
| 110                       | 18                    | 210                   | 9                     | ** Reissue claims in excess of 20 and over original patent |
| <b>SUBTOTAL (2)</b> (\$0) |                       |                       |                       |  |

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity Fee Code              | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description   | Fee Paid     |
|------------------------------------|-----------------------|-----------------------|-----------------------|---|--------------|
| 105                                | 130                   | 205                   | 65                    | Surcharge-late filing fee or oath   |              |
| 127                                | 50                    | 227                   | 25                    | Surcharge-late provisional filing fee or cover sheet.                         |              |
| 139                                | 130                   | 139                   | 130                   | Non-English specification   |              |
| 147                                | 2,520                 | 147                   | 2,520                 | For filing a request for examination  |              |
| 112                                | 920*                  | 112                   | 920*                  | Requesting publication of SIR prior to Examiner action                        |              |
| 113                                | 1,840*                | 113                   | 1,840*                | Requesting publication of SIR after Examiner action                           |              |
| 115                                | 110                   | 215                   | 55                    | Extension for reply within first month  |              |
| 116                                | 390                   | 216                   | 195                   | Extension for reply within second month                                       |              |
| 117                                | 890                   | 217                   | 445                   | Extension for reply within third month  |              |
| 118                                | 1,390                 | 218                   | 695                   | Extension for reply within fourth month                                       |              |
| 128                                | 1,890                 | 228                   | 945                   | Extension for reply within fifth month  |              |
| 119                                | 310                   | 219                   | 155                   | Notice of Appeal  |              |
| 120                                | 310                   | 220                   | 155                   | Filing a brief in support of an appeal  |              |
| 121                                | 270                   | 221                   | 135                   | Request for oral hearing  |              |
| 138                                | 1,510                 | 138                   | 1,510                 | Petition to institute a public use proceeding                                 |              |
| 140                                | 110                   | 240                   | 55                    | Petition to revive - unavoidable  |              |
| 141                                | 1,240                 | 241                   | 620                   | Petition to revive - unintentional  |              |
| 142                                | 1,240                 | 242                   | 620                   | Utility issue fee (or reissue)  |              |
| 143                                | 440                   | 243                   | 220                   | Design issue fee  |              |
| 144                                | 600                   | 244                   | 300                   | Plant issue fee   |              |
| 122                                | 130                   | 122                   | 130                   | Petitions to the Commissioner   |              |
| 123                                | 50                    | 123                   | 50                    | Petitions related to provisional applications                                 |              |
| 126                                | 180                   | 126                   | 180                   | Submission of Information Discl. Stmt.  |              |
| 581                                | 40                    | 581                   | 40                    | Recording of each patent assignment per property (times number of properties) |              |
| 146                                | 710                   | 246                   | 355                   | Filing a submission after final rejection (37 CFR 1.129(a))                   |              |
| 149                                | 710                   | 249                   | 355                   | For each additional invention to be examined (34 CFR 1.129(b))                |              |
| Other fee (specify) _____          |                       |                       |                       |   |              |
| Other fee (specify) _____          |                       |                       |                       |   |              |
| * Reduced by Basic Filing Fee Paid |                       |                       |                       |   |              |
| <b>SUBTOTAL (3)</b>                |                       |                       |                       |   | <b>(\$0)</b> |

**SUBMITTED BY**Typed or Printed Name Edwin W. Bacon, Jr.Signature [Signature]

Date

8/10/2001**Complete (if applicable)**Reg. Number 39,098

Deposit Account User ID

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

08/16/2001 DTESSEM1 00000052 031800 09928584

01 FC:101 710.00 CH